Name of Work: Improvements to roads and construction of RCC drains at Basavalingappanagara and surrounding areas in Ward No. 03

PRE-MEASUREMENT SHEETS

"FIRST AND FINAL BILL"

Name of Work: Improvements to roads and construction of RCC drains at Basavalingappanagara and surrounding areas in Ward No. 03

Date of Pre-Measurement : 14/11/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.							
	Basavalingappa Nagar							
	RCC Drain							
	1st Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 30.5m		1	0.50	1.20	0.90	0.54	
	2nd Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 22.1m		1	22.10	1.20	0.90	23.87	
	Ch: 22.1 to 24.3m		1	2.20	1.20	0.90	2.38	
	Ch: 24.3 to 34.3m		1	10.00	1.20	0.90	10.80	
	2nd Cross, RHS Frm Dead End							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 30.3m		1	0.30	1.20	0.90	0.32	
	3rd Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 4.5m		1	4.50	1.20	0.90	4.86	
	Ch: 4.5 to 7.3m		1	2.80	1.20	0.90	3.02	
	Ch: 7.3 to 16.2m		1	8.90	1.20	0.90	9.61	
	Ch: 16.2 to 20.1m		1	3.90	1.20	0.90	4.21	
	Ch: 20.1 to 36.6m		1	16.50	1.20	0.90	17.82	
	3rd Cross, RHS Frm Dead End							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 33.4m		1	3.40	1.20	0.90	3.67	
	4th Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 40.3m		1	10.30	1.20	0.90	11.12	
	4th Cross, RHS Frm Dead End							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 38.7m		1	8.70	1.20	0.90	9.40	
	5th & 6th Cross, LHS							
	Ch: 0 to 18.4m		1	18.40	1.20	0.90	19.87	
	Ch: 18.4 to 24.6m		1	6.20	1.20	0.90	6.70	
	Ch: 24.6 to 36.4m		1	11.80	1.20	0.90	12.74	
	Ch: 36.4 to 48.7m		1	12.30	1.20	0.90	13.28	
	5th & 6th Cross, RHS							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 41.9m		1	11.90	1.20	0.90	12.85	
	7th cross, LHS Frm Dead End							
	Ch: 0 to 3.8m		1	3.80	1.20	0.90	4.10	
	Ch: 3.8 to 7.1m		1	3.30	1.20	0.90	3.56	
	Ch: 7.1 to 22.4m		1	15.30	1.20	0.90	16.52	
	Ch: 22.4 to 26.4m		1	4.00	1.20	0.90	4.32	

CRFC

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 26.4 to 34.5m		1	8.10	1.20	0.90	8.75	
	Ch: 34.5 to 40.4m		1	5.90	1.20	0.90	6.37	
	Ch: 40.4 to 70.4m		1	30.00	1.20	0.90	32.40	
	Ch: 70.4 to 76.8m		1	6.40	1.20	0.90	6.91	
	Ch: 76.8 to 83.2m		1	6.40	1.20	0.90	6.91	
	Ch: 83.2 to 113.2m		1	30.00	1.20	0.90	32.40	
	Ch: 113.2 to 143.2m		1	30.00	1.20	0.90	32.40	
	Ch: 143.2 to 144.4m		1	1.20	1.20	0.90	1.30	
	7th cross, RHS Frm Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 60m		1	30.00	1.20	0.90	32.40	
	Ch: 60 to 84.1m		1	24.10	1.20	0.90	26.03	
	Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 49.7m		1	19.70	1.20	0.90	21.28	
	6th cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 44.4m		1	14.40	1.20	0.90	15.55	
	Ch: 44.4 to 50.5m		1	6.10	1.20	0.90	6.59	
	Ch: 50.5 to 80.5m		1	30.00	1.20	0.90	32.40	
	Ch: 80.5 to 94.9m		1	14.40	1.20	0.90	15.55	
	Gap							
	Ch: 0 to 19.6m		1	19.60	1.20	0.90	21.17	
	6th cross, RHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 60m		1	30.00	1.20	0.90	32.40	
	Ch: 60 to 82.3m		1	22.30	1.40	0.90	28.10	
	Ch: 82.3 to 97.5m		1	15.20	1.40	0.90	19.15	
	Samudhya Bhavana							
	Ch: 0 to 24m		1	24.00	1.40	0.90	30.24	
	Vishwanagara							
	Mn Road, LHS From Heasaraghatta Mn Rd							
	Ch: 0 to 22.44m		1	22.40	1.20	0.90	24.19	
	Ch: 0 to 23.6m		1	1.20	1.20	0.90	1.30	
	Ch: 0 to 28.6m		1	5.00	1.20	0.90	5.40	
	Ch: 0 to 36.5m		1	7.90	1.20	0.90	8.53	
	Ch: 0 to 66.5m		1	30.00	1.20	0.90	32.40	
	Ch: 0 to 91.5m		1	25.00	1.20	0.90	27.00	
	Ch: 0 to 110.6m		1	19.10				
	Mn Road, RHS frm Culvert							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 60m		1	30.00	1.20	0.90	32.40	
	Ch: 60 to 90m		1	30.00	1.20	0.90	32.40	
	Ch: 90 to 120m		1	30.00	1.20	0.90	32.40	
	Ch: 120 to 131.1m		1	11.10	1.20	0.90	11.99	
	1st cross, RHS							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 54m		1	24.00	1.20	0.90	25.92	
	Rajeev Gandhi Nagar							

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Mn Rd, LHS Frm College Junc							
	Ch: 0 to 11.5m		1	11.50	1.20	0.90	12.42	
	Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 60m		1	30.00	1.20	0.90	32.40	
	Ch: 60 to 90m		1	30.00	1.20	0.90	32.40	
	Ch: 90 to 120m		1	30.00	1.20	0.90	32.40	
	Ch: 120 to 148.6m		1	28.60	1.20	0.90	30.89	
	Culvert Gap							
	Ch: 0 to 24.5m		1	24.50	1.20	0.90	26.46	
	Road Gap							
	Ch: 0 to 10.6m		1	10.60	1.20	0.90	11.45	
	Mn Rd, RHS Frm Cross Rd							
	Ch: 0 to 19.4m		1	19.40	1.20	0.90	20.95	
	Road Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 60m		1	30.00	1.20	0.90	32.40	
	Ch: 60 to 80.3m		1	20.30	1.20	0.90	21.92	
	Ch: 80.3 to 86.4m		1	6.10	1.20	0.90	6.59	
	Ch: 86.4 to 116.4m		1	30.00	1.20	0.90	32.40	
	Ch: 116.4 to 131.8m		1	15.40	1.20	0.90	16.63	
	Culvert Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 59m		1	29.00	1.20	0.90	31.32	
	Apartment Rd, RHS							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 56.5m		1	26.50	1.20	0.90	28.62	
	Culvert							
	5th & 6th Cross		1	5.20	1.50	0.90	7.02	
	4th cross		1	5.70	1.50	0.90	7.70	
	3rd cross		1	6.30	1.50	0.90	8.51	
	2nd cross		1	5.60	1.50	0.90	7.56	
	7th cross Dead End		1	5.20	1.50	1.00	7.80	
	6th cross Dead End		1	7.70	1.50	1.00	11.55	
	Basavalingappa nagar Mn Rd		1	10.00	1.80	1.00	18.00	
	Vishwanagara Mn Rd		1	9.80	1.50	1.00	14.70	
	Rajeev Gandhi Nagar Mn Rd, LHS		1	4.30	1.50	1.00	6.45	
	Rajeev Gandhi Nagar Mn Rd, RHS		1	5.50	1.50	1.00	8.25	
						Present Qty	**1822.99**	**Cum**

Contractor

NEWZEN CONSULTANT PMC GANGALORE

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
Asst Executive Engineer
ಯಲಹಂಕ ಉಪವಿಭಾಗ.

14/11/2019 ಪ.ಜ.ಎಂ.ಪ. ಬೆಂಗಳೂರು-106

Name of Work: Improvements to roads and construction of RCC drains at Basavalingappanagara and surrounding areas in Ward No. 03

Date of Pre-Measurement : 26 | 11 | 2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.							
	Basavalingappa Nagar							
	RCC Drain							
	1st Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 30.5m		1	0.50	1.20	0.15	0.09	
	2nd Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 22.1m		1	22.10	1.20	0.15	3.98	
	Ch: 22.1 to 24.3m		1	2.20	1.20	0.15	0.40	
	Ch: 24.3 to 34.3m		1	10.00	1.20	0.15	1.80	
	2nd Cross, RHS Frm Dead End							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 30.3m		1	0.30	1.20	0.15	0.05	
	3rd Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 4.5m		1	4.50	1.20	0.15	0.81	
	Ch: 4.5 to 7.3m		1	2.80	1.20	0.15	0.50	
	Ch: 7.3 to 16.2m		1	8.90	1.20	0.15	1.60	
	Ch: 16.2 to 20.1m		1	3.90	1.20	0.15	0.70	
	Ch: 20.1 to 36.6m		1	16.50	1.20	0.15	2.97	
	3rd Cross, RHS Frm Dead End							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 33.4m		1	3.40	1.20	0.15	0.61	
	4th Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 40.3m		1	10.30	1.20	0.15	1.85	
	4th Cross, RHS Frm Dead End							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 38.7m		1	8.70	1.20	0.15	1.57	
	5th & 6th Cross, LHS							
	Ch: 0 to 18.4m		1	18.40	1.20	0.15	3.31	
	Ch: 18.4 to 24.6m		1	6.20	1.20	0.15	1.12	
	Ch: 24.6 to 36.4m		1	11.80	1.20	0.15	2.12	
	Ch: 36.4 to 48.7m		1	12.30	1.20	0.15	2.21	
	5th & 6th Cross, RHS							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 41.9m		1	11.90	1.20	0.15	2.14	
	7th cross, LHS Frm Dead End							
	Ch: 0 to 3.8m		1	3.80	1.20	0.15	0.68	
	Ch: 3.8 to 7.1m		1	3.30	1.20	0.15	0.59	
	Ch: 7.1 to 22.4m		1	15.30	1.20	0.15	2.75	
	Ch: 22.4 to 26.4m		1	4.00	1.20	0.15	0.72	C&FC

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 26.4 to 34.5m		1	8.10	1.20	0.15	1.46	
	Ch: 34.5 to 40.4m		1	5.90	1.20	0.15	1.06	
	Ch: 40.4 to 70.4m		1	30.00	1.20	0.15	5.40	
	Ch: 70.4 to 76.8m		1	6.40	1.20	0.15	1.15	
	Ch: 76.8 to 83.2m		1	6.40	1.20	0.15	1.15	
	Ch: 83.2 to 113.2m		1	30.00	1.20	0.15	5.40	
	Ch: 113.2 to 143.2m		1	30.00	1.20	0.15	5.40	
	Ch: 143.2 to 144.4m		1	1.20	1.20	0.15	0.22	
	7th cross, RHS Frm Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 84.1m		1	24.10	1.20	0.15	4.34	
	Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 49.7m		1	19.70	1.20	0.15	3.55	
	6th cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 44.4m		1	14.40	1.20	0.15	2.59	
	Ch: 44.4 to 50.5m		1	6.10	1.20	0.15	1.10	
	Ch: 50.5 to 80.5m		1	30.00	1.20	0.15	5.40	
	Ch: 80.5 to 94.9m		1	14.40	1.20	0.15	2.59	
	Gap							
	Ch: 0 to 19.6m		1	19.60	1.20	0.15	3.53	
	6th cross, RHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 82.3m		1	22.30	1.40	0.15	4.68	
	Ch: 82.3 to 97.5m		1	15.20	1.40	0.15	3.19	
	Samudhya Bhavana							
	Ch: 0 to 24m		1	24.00	1.40	0.15	5.04	
	Vishwanagara							
	Mn Road, LHS From Heasaraghatta Mn Rd							
	Ch: 0 to 22.44m		1	22.40	1.20	0.15	4.03	
	Ch: 0 to 23.6m		1	1.20	1.20	0.15	0.22	
	Ch: 0 to 28.6m		1	5.00	1.20	0.15	0.90	
	Ch: 0 to 36.5m		1	7.90	1.20	0.15	1.42	
	Ch: 0 to 66.5m		1	30.00	1.20	0.15	5.40	
	Ch: 0 to 91.5m		1	25.00	1.20	0.15	4.50	
	Ch: 0 to 110.6m		1	19.10				
	Mn Road, RHS frm Culvert							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 90m		1	30.00	1.20	0.15	5.40	
	Ch: 90 to 120m		1	30.00	1.20	0.15	5.40	
	Ch: 120 to 131.1m		1	11.10	1.20	0.15	2.00	
	1st cross, RHS							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 54m		1	24.00	1.20	0.15	4.32	
	Rajeev Gandhi Nagar							

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Mn Rd, LHS Frm College Junc							
	Ch: 0 to 11.5m		1	11.50	1.20	0.15	2.07	
	Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 90m		1	30.00	1.20	0.15	5.40	
	Ch: 90 to 120m		1	30.00	1.20	0.15	5.40	
	Ch: 120 to 148.6m		1	28.60	1.20	0.15	5.15	
	Culvert Gap							
	Ch: 0 to 24.5m		1	24.50	1.20	0.15	4.41	
	Road Gap							
	Ch: 0 to 10.6m		1	10.60	1.20	0.15	1.91	
	Mn Rd, RHS Frm Cross Rd							
	Ch: 0 to 19.4m		1	19.40	1.20	0.15	3.49	
	Road Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 80.3m		1	20.30	1.20	0.15	3.65	
	Ch: 80.3 to 86.4m		1	6.10	1.20	0.15	1.10	
	Ch: 86.4 to 116.4m		1	30.00	1.20	0.15	5.40	
	Ch: 116.4 to 131.8m		1	15.40	1.20	0.15	2.77	
	Culvert Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 59m		1	29.00	1.20	0.15	5.22	
	Apartment Rd, RHS							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 56.5m		1	26.50	1.20	0.15	4.77	
	For Kerb Stone							
	1st Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 30.5m		1	0.50	0.20	0.10	0.01	
	2nd Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 22.1m		1	22.10	0.20	0.10	0.44	
	Ch: 22.1 to 24.3m		1	2.20	0.20	0.10	0.04	
	Ch: 24.3 to 34.3m		1	10.00	0.20	0.10	0.20	
	2nd Cross, RHS Frm Dead End							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 30.3m		1	0.30	0.20	0.10	0.01	
	3rd Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 4.5m		1	4.50	0.20	0.10	0.09	
	Ch: 4.5 to 7.3m		1	2.80	0.20	0.10	0.06	
	Ch: 7.3 to 16.2m		1	8.90	0.20	0.10	0.18	
	Ch: 16.2 to 20.1m		1	3.90	0.20	0.10	0.08	
	Ch: 20.1 to 36.6m		1	16.50	0.20	0.10	0.33	
	3rd Cross, RHS Frm Dead End							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 33.4m		1	3.40	0.20	0.10	0.07	
	4th Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 40.3m		1	10.30	0.20	0.10	0.21	

c/f

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	4th Cross, RHS Frm Dead End							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 38.7m		1	8.70	0.20	0.10	0.17	
	5th & 6th Cross, LHS							
	Ch: 0 to 18.4m		1	18.40	0.20	0.10	0.37	
	Ch: 18.4 to 24.6m		1	6.20	0.20	0.10	0.12	
	Ch: 24.6 to 36.4m		1	11.80	0.20	0.10	0.24	
	Ch: 36.4 to 48.7m		1	12.30	0.20	0.10	0.25	
	5th & 6th Cross, RHS							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 41.9m		1	11.90	0.20	0.10	0.24	
	7th cross, LHS Frm Dead End							
	Ch: 0 to 3.8m		1	3.80				
	Ch: 3.8 to 7.1m		1	3.30				
	Ch: 7.1 to 22.4m		1	15.30				
	Ch: 22.4 to 26.4m		1	4.00				
	Ch: 26.4 to 34.5m		1	8.10				
	Ch: 34.5 to 40.4m		1	5.90				
	Ch: 40.4 to 70.4m		1	30.00				
	Ch: 70.4 to 76.8m		1	6.40				
	Ch: 76.8 to 83.2m		1	6.40				
	Ch: 83.2 to 113.2m		1	30.00				
	Ch: 113.2 to 143.2m		1	30.00				
	Ch: 143.2 to 144.4m		1	1.20				
	7th cross, RHS Frm Mn Rd							
	Ch: 0 to 30m		1	30.00				
	Ch: 30 to 60m		1	30.00				
	Ch: 60 to 84.1m		1	24.10				
	Gap							
	Ch: 0 to 30m		1	30.00				
	Ch: 30 to 49.7m		1	19.70				
	6th cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00				
	Ch: 30 to 44.4m		1	14.40				
	Ch: 44.4 to 50.5m		1	6.10				
	Ch: 50.5 to 80.5m		1	30.00				
	Ch: 80.5 to 94.9m		1	14.40				
	Gap							
	Ch: 0 to 19.6m		1	22.20				
	6th cross, RHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00				
	Ch: 30 to 60m		1	24.80				
	Ch: 60 to 82.3m		1	22.30				
	Ch: 82.3 to 97.5m		1	15.20				
	Samudhya Bhavana							
	Ch: 0 to 24m		1	24.40				
	Vishwanagara							
	Mn Road, LHS From Heasaraghatta Mn Rd							
	Ch: 0 to 22.44m		1	22.40	0.20	0.10	0.45	C & FC

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 0 to 23.6m		1	1.20	0.20	0.10	0.02	
	Ch: 0 to 28.6m		1	5.00	0.20	0.10	0.10	
	Ch: 0 to 36.5m		1	7.90	0.20	0.10	0.16	
	Ch: 0 to 66.5m		1	30.00	0.20	0.10	0.60	
	Ch: 0 to 91.5m		1	23.00	0.20	0.10	0.46	
	Ch: 0 to 110.6m		1	19.10				
	Mn Road, RHS frm Culvert							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 60m		1	30.00	0.20	0.10	0.60	
	Ch: 60 to 90m		1	30.00	0.20	0.10	0.60	
	Ch: 90 to 120m		1	30.00	0.20	0.10	0.60	
	Ch: 120 to 131.1m		1	11.10	0.20	0.10	0.22	
	1st cross, RHS							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 54m		1	24.00	0.20	0.10	0.48	
	Rajeev Gandhi Nagar							
	Mn Rd, LHS Frm College Junc							
	Ch: 0 to 11.5m		1	11.50	0.20	0.10	0.23	
	Gap							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 60m		1	30.00	0.20	0.10	0.60	
	Ch: 60 to 90m		1	30.00	0.20	0.10	0.60	
	Ch: 90 to 120m		1	30.00	0.20	0.10	0.60	
	Ch: 120 to 148.6m		1	28.60	0.20	0.10	0.57	
	Culvert Gap							
	Ch: 0 to 24.5m		1	24.50	0.20	0.10	0.49	
	Road Gap							
	Ch: 0 to 10.6m		1	10.60	0.20	0.10	0.21	
	Mn Rd, RHS Frm Cross Rd							
	Ch: 0 to 19.4m		1	19.40	0.20	0.10	0.39	
	Road Gap							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 60m		1	30.00	0.20	0.10	0.60	
	Ch: 60 to 80.3m		1	20.30	0.20	0.10	0.41	
	Ch: 80.3 to 86.4m		1	6.10	0.20	0.10	0.12	
	Ch: 86.4 to 116.4m		1	30.00	0.20	0.10	0.60	
	Ch: 116.4 to 131.8m		1	15.40	0.20	0.10	0.31	
	Culvert Gap							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 59m		1	29.00	0.20	0.10	0.58	
	Apartment Rd, RHS							
	Ch: 0 to 30m		1	30.00				
	Ch: 30 to 56.5m		1	26.50				
	Culvert							
	5th & 6th Cross		1	5.20	1.50	0.20	1.56	
	4th cross		1	5.70	1.50	0.20	1.71	
	3rd cross		1	6.30	1.50	0.20	1.89	
	2nd cross		1	5.60	1.50	0.20	1.68	
	7th cross Dead End		1	5.20	1.50	0.15	1.17	
	6th cross Dead End		1	7.70	1.50	0.15	1.73	

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Basavalingappa nagar Mn Rd		1	10.00	1.80	0.15	2.70	
	Vishwanagara Mn Rd		1	9.80	1.50	0.15	2.21	
	Rajeev Gandhi Nagar Mn Rd, LHS		1	4.30	1.50	0.15	0.97	
	Rajeev Gandhi Nagar Mn Rd, RHS		1	5.50	1.50	0.15	1.24	
	For CC Road Platform							
	Block K							
			1	8.20	6.50	0.20	10.66	
			1	4.50	2.40	0.20	2.16	
			1	4.50	2.40	0.20	2.16	
	Block L							
			1	8.20	6.50	0.20	10.66	
			1	4.50	2.40	0.20	2.16	
			1	4.50	2.40	0.20	2.16	
	Block M							
			1	8.20	6.50	0.20	10.66	
			1	4.50	2.40	0.20	2.16	
			1	4.50	2.40	0.20	2.16	
	Block N							
			1	8.20	6.50	0.20	10.66	
			1	4.50	2.40	0.20	2.16	
			1	4.50	2.40	0.20	2.16	
	Behind I Block		1	2.40	4.10	0.20	1.97	
			1	28.00	1.00	0.20	5.60	
	Beside N Block		1	30.00	2.80	0.20	16.80	
			1	18.00	2.80	0.20	10.08	
	Apartment Near 2nd cross		1	30.00	5.80	0.20	34.80	
			1	30.00	3.00	0.20	18.00	
	Basavalingappa Nagar							
	Gap Between Road and Drain							
	1st Cross, LHS Frm 1st Mn Rd							
			1	30.00	0.70	0.20	4.20	
			1	0.50	0.70	0.20	0.07	
	2nd Cross, LHS Frm 1st Mn Rd							
			1	22.10	0.75	0.20	3.32	
			1	2.20	0.75	0.20	0.33	
			1	10.00	0.75	0.20	1.50	
	2nd Cross, RHS Frm Dead End							
			1	30.00	0.60	0.20	3.60	
			1	0.30	0.60	0.20	0.04	
	3rd Cross, LHS Frm 1st Mn Rd							
			1	4.50	0.75	0.20	0.68	
			1	2.80	0.65	0.20	0.36	
			1	8.90	0.60	0.20	1.07	
			1	3.90	0.70	0.20	0.55	
			1	16.50	0.75	0.20	2.48	
	3rd Cross, RHS Frm Dead End							
			1	30.00	0.75	0.20	4.50	
			1	3.40	0.75	0.20	0.51	
	4th Cross, LHS Frm 1st Mn Rd							
			1	30.00	0.60	0.20	3.60	CMC
			1	10.30	0.60	0.20	1.24	

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	4th Cross, RHS Frm Dead End							
			1	30.00	0.75	0.20	4.50	
			1	8.70	0.75	0.20	1.31	
	5th & 6th Cross, LHS							
			1	18.40	0.70	0.20	2.58	
			1	6.20	0.70	0.20	0.87	
			1	11.80	0.65	0.20	1.53	
			1	12.30	0.65	0.20	1.60	
	5th & 6th Cross, RHS							
			1	30.00	0.75	0.20	4.50	
			1	11.90	0.75	0.20	1.79	
	7th cross, LHS Frm Dead End							
			1	3.80	0.75	0.20	0.57	
			1	3.30	0.60	0.20	0.40	
			1	15.30	0.65	0.20	1.99	
			1	4.00	0.65	0.20	0.52	
			1	8.10	0.65	0.20	1.05	
			1	5.90	0.65	0.20	0.77	
			1	30.00	0.65	0.20	3.90	
			1	6.40	0.65	0.20	0.83	
			1	6.40	0.65	0.20	0.83	
			1	30.00	0.65	0.20	3.90	
			1	30.00	0.65	0.20	3.90	
			1	1.20	0.65	0.20	0.16	
	7th cross, RHS Frm Mn Rd							
			1	30.00	0.75	0.20	4.50	
			1	30.00	0.70	0.20	4.20	
			1	24.10	0.60	0.20	2.89	
			1	30.00	0.75	0.20	4.50	
			1	19.70	0.75	0.20	2.96	
	6th cross, LHS Frm 1st Mn Rd							
			1	30.00	0.65	0.20	3.90	
			1	14.40	0.65	0.20	1.87	
			1	6.10	0.75	0.20	0.92	
			1	30.00	0.75	0.20	4.50	
			1	14.40	0.75	0.20	2.16	
	Gap							
			1	19.60	0.75	0.20	2.94	
	6th cross, RHS Frm 1st Mn Rd							
			1	30.00	0.70	0.20	4.20	
			1	30.00	0.70	0.20	4.20	
			1	22.30	0.70	0.20	3.12	
			1	15.20	0.70	0.20	2.13	
						Present Qty	**586.38**	**Cum**

Contractor

PMC

Assistant Engineer

26/11/2019

(10)

Name of Work: Improvements to roads and construction of RCC drains at Basavalingappanagara and surrounding areas in Ward No. 03

Date of Pre-Measurement : 27 | 12 | 2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification.							
	Basavalingappa Nagar							
	RCC Drain							
	Raft							
	1st Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 30.5m		1	0.50	1.10	0.15	0.08	
	2nd Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 22.1m		1	22.10	1.10	0.15	3.65	
	Ch: 22.1 to 24.3m		1	2.20	1.10	0.15	0.36	
	Ch: 24.3 to 34.3m		1	10.00	1.10	0.15	1.65	
	2nd Cross, RHS Frm Dead End							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 30.3m		1	0.30	1.10	0.15	0.05	
	3rd Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 4.5m		1	4.50	1.10	0.15	0.74	
	Ch: 4.5 to 7.3m		1	2.80	1.10	0.15	0.46	
	Ch: 7.3 to 16.2m		1	8.90	1.10	0.15	1.47	
	Ch: 16.2 to 20.1m		1	3.90	1.10	0.15	0.64	
	Ch: 20.1 to 36.6m		1	16.50	1.10	0.15	2.72	
	3rd Cross, RHS Frm Dead End							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 33.4m		1	3.40	1.10	0.15	0.56	
	4th Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 40.3m		1	10.30	1.10	0.15	1.70	
	4th Cross, RHS Frm Dead End							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 38.7m		1	8.70	1.10	0.15	1.44	
	5th & 6th Cross, LHS							
	Ch: 0 to 18.4m		1	18.40	1.10	0.15	3.04	
	Ch: 18.4 to 24.6m		1	6.20	1.10	0.15	1.02	
	Ch: 24.6 to 36.4m		1	11.80	1.10	0.15	1.95	
	Ch: 36.4 to 48.7m		1	12.30	1.10	0.15	2.03	
	5th & 6th Cross, RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 41.9m		1	11.90	1.10	0.15	1.96	
	7th cross, LHS Frm Dead End							
	Ch: 0 to 3.8m		1	3.80	1.10	0.15	0.63	
	Ch: 3.8 to 7.1m		1	3.30	1.10	0.15	0.54	

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 7.1 to 22.4m		1	15.30	1.10	0.15	2.62	
	Ch: 22.4 to 26.4m		1	4.00	1.10	0.15	0.66	
	Ch: 26.4 to 34.5m		1	8.10	1.10	0.15	1.34	
	Ch: 34.5 to 40.4m		1	5.90	1.10	0.15	0.97	
	Ch: 40.4 to 70.4m		1	30.00	1.10	0.15	4.95	
	Ch: 70.4 to 76.8m		1	6.40	1.10	0.15	1.06	
	Ch: 76.8 to 83.2m		1	6.40	1.10	0.15	1.06	
	Ch: 83.2 to 113.2m		1	30.00	1.10	0.15	4.95	
	Ch: 113.2 to 143.2m		1	30.00	1.10	0.15	4.95	
	Ch: 143.2 to 144.4m		1	1.20	1.10	0.15	0.20	
	7th cross, RHS Frm Mn Rd							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 84.1m		1	24.10	1.10	0.15	3.98	
	Gap							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 49.7m		1	19.70	1.10	0.15	3.25	
	6th cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 44.4m		1	14.40	1.10	0.15	2.38	
	Ch: 44.4 to 50.5m		1	6.10	1.10	0.15	1.01	
	Ch: 50.5 to 80.5m		1	30.00	1.10	0.15	4.95	
	Ch: 80.5 to 94.9m		1	14.40	1.10	0.15	2.38	
	Gap							
	Ch: 0 to 19.6m		1	19.60	1.10	0.15	3.23	
	6th cross, RHS Frm 1st Mn Rd							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 82.3m		1	22.30	1.40	0.15	4.68	
	Ch: 82.3 to 97.5m		1	15.20	1.40	0.15	3.19	
	Samudhya Bhavana							
	Ch: 0 to 24m		1	24.00	1.40	0.15	5.04	
	Vishwanagara							
	Mn Road, LHS From Heasaraghatta Mn Rd							
	Ch: 0 to 22.44m		1	22.40	1.10	0.15	3.70	
	Ch: 0 to 23.6m		1	1.20	1.10	0.15	0.20	
	Ch: 0 to 28.6m		1	5.00	1.10	0.15	0.83	
	Ch: 0 to 36.5m		1	7.90	1.10	0.15	1.30	
	Ch: 0 to 66.5m		1	30.00	1.10	0.15	4.95	
	Ch: 0 to 91.5m		1	25.00	1.10	0.15	4.13	
	Ch: 0 to 110.6m		1	19.10				
	Mn Road, RHS frm Culvert							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 90m		1	30.00	1.10	0.15	4.95	
	Ch: 90 to 120m		1	30.00	1.10	0.15	4.95	
	Ch: 120 to 131.1m		1	11.10	1.10	0.15	1.83	
	1st cross, RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	C&FC

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 30 to 54m		1	24.00	1.10	0.15	3.96	
	Rajeev Gandhi Nagar							
	Mn Rd, LHS Frm College Junc							
	Ch: 0 to 11.5m		1	11.50	1.10	0.15	1.90	
	Gap							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 90m		1	30.00	1.10	0.15	4.95	
	Ch: 90 to 120m		1	30.00	1.10	0.15	4.95	
	Ch: 120 to 148.6m		1	28.60	1.10	0.15	4.72	
	Culvert Gap							
	Ch: 0 to 24.5m		1	24.50	1.10	0.15	4.04	
	Road Gap							
	Ch: 0 to 10.6m		1	10.60	1.10	0.15	1.75	
	Mn Rd, RHS Frm Cross Rd							
	Ch: 0 to 19.4m		1	19.40	1.10	0.15	3.20	
	Road Gap							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 80.3m		1	20.30	1.10	0.15	3.35	
	Ch: 80.3 to 86.4m		1	6.10	1.10	0.15	1.01	
	Ch: 86.4 to 116.4m		1	30.00	1.10	0.15	4.95	
	Ch: 116.4 to 131.8m		1	15.40	1.10	0.15	2.54	
	Culvert Gap							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 59m		1	29.00	1.10	0.15	4.79	
	Apartment Rd, RHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 56.5m		1	26.50	1.10	0.15	4.37	
	Wall							
	1st Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 30.5m		2	0.50	0.15	0.60	0.09	
	2nd Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 22.1m		2	22.10	0.15	0.60	3.98	
	Ch: 22.1 to 24.3m		2	2.20	0.15	0.60	0.40	
	Ch: 24.3 to 34.3m		2	10.00	0.15	0.60	1.80	
	2nd Cross, RHS Frm Dead End							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 30.3m		2	0.30	0.15	0.60	0.05	
	3rd Cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 4.5m		2	4.50	0.15	0.60	0.81	
	Ch: 4.5 to 7.3m		2	2.80	0.15	0.60	0.50	
	Ch: 7.3 to 16.2m		2	8.90	0.15	0.60	1.60	
	Ch: 16.2 to 20.1m		2	3.90	0.15	0.60	0.70	
	Ch: 20.1 to 36.6m		2	16.50	0.15	0.60	2.97	
	3rd Cross, RHS Frm Dead End							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 33.4m		2	3.40	0.15	0.60	0.61	
	4th Cross, LHS Frm 1st Mn Rd							

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 40.3m		2	10.30	0.15	0.60	1.85	
	4th Cross, RHS Frm Dead End							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 38.7m		2	8.70	0.15	0.60	1.57	
	5th & 6th Cross, LHS							
	Ch: 0 to 18.4m		2	18.40	0.15	0.60	3.31	
	Ch: 18.4 to 24.6m		2	6.20	0.15	0.60	1.12	
	Ch: 24.6 to 36.4m		2	11.80	0.15	0.60	2.12	
	Ch: 36.4 to 48.7m		2	12.30	0.15	0.60	2.21	
	5th & 6th Cross, RHS							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 41.9m		2	11.90	0.15	0.60	2.14	
	7th cross, LHS Frm Dead End							
	Ch: 0 to 3.8m		2	3.80	0.15	0.60	0.68	
	Ch: 3.8 to 7.1m		2	3.30	0.15	0.60	0.59	
	Ch: 7.1 to 22.4m		2	15.30	0.15	0.60	2.75	
	Ch: 22.4 to 26.4m		2	4.00	0.15	0.60	0.72	
	Ch: 26.4 to 34.5m		2	8.10	0.15	0.60	1.46	
	Ch: 34.5 to 40.4m		2	5.90	0.15	0.60	1.06	
	Ch: 40.4 to 70.4m		2	30.00	0.15	0.60	5.40	
	Ch: 70.4 to 76.8m		2	6.40	0.15	0.60	1.15	
	Ch: 76.8 to 83.2m		2	6.40	0.15	0.60	1.15	
	Ch: 83.2 to 113.2m		2	30.00	0.15	0.60	5.40	
	Ch: 113.2 to 143.2m		2	30.00	0.15	0.60	5.40	
	Ch: 143.2 to 144.4m		2	1.20	0.15	0.60	0.22	
	7th cross, RHS Frm Mn Rd							
	Ch: 0 to 30m		2	30.00	0.15	1.10	9.90	
	Ch: 30 to 60m		2	30.00	0.15	0.80	7.20	
	Ch: 60 to 84.1m		2	24.10	0.15	0.80	5.78	
	Gap							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 49.7m		2	19.70	0.15	0.60	3.55	
	6th cross, LHS Frm 1st Mn Rd							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 44.4m		2	14.40	0.15	0.60	2.59	
	Ch: 44.4 to 50.5m		2	6.10	0.15	0.60	1.10	
	Ch: 50.5 to 80.5m		2	30.00	0.15	0.60	5.40	
	Ch: 80.5 to 94.9m		2	14.40	0.15	0.60	2.59	
	Gap							
	Ch: 0 to 19.6m		2	19.60	0.15	0.60	3.53	
	6th cross, RHS Frm 1st Mn Rd							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 60m		2	30.00	0.15	0.50	4.50	
	Ch: 60 to 82.3m		2	22.30	0.15	0.80	5.35	
	Ch: 82.3 to 97.5m		2	15.20	0.15	0.80	3.65	
	Samudhya Bhavana							
	Ch: 0 to 24m		2	24.00	0.15	0.80	5.76	
	Vishwanagara							

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	2nd cross		1	5.60	1.30	0.23	1.67	
	7th cross Dead End		1	5.20	1.30	0.23	1.55	
	6th cross Dead End		1	7.70	1.30	0.23	2.30	
	Basavalingappa nagar Mn Rd		1	10.00	1.50	0.23	3.45	
	Vishwanagara Mn Rd		1	9.80	1.30	0.23	2.93	
	Rajeev Gandhi Nagar Mn Rd, LHS		1	4.30	1.30	0.23	1.29	
	Rajeev Gandhi Nagar Mn Rd, RHS		1	5.50	1.30	0.23	1.64	
	Culvert Wall							
	5th & 6th Cross		2	5.20	0.23	0.60	1.44	
	4th cross		2	5.70	0.23	0.60	1.57	
	3rd cross		2	6.30	0.23	0.60	1.74	
	2nd cross		2	5.60	0.23	0.60	1.55	
	7th cross Dead End		2	5.20	0.23	0.60	1.44	
	6th cross Dead End		2	7.70	0.23	0.60	2.13	
	Basavalingappa nagar Mn Rd		2	10.00	0.23	0.60	2.76	
	Vishwanagara Mn Rd		2	9.80	0.23	0.60	2.70	
	Rajeev Gandhi Nagar Mn Rd, LHS		2	4.30	0.23	0.60	1.19	
	Rajeev Gandhi Nagar Mn Rd, RHS		2	5.50	0.23	0.60	1.52	
						Present Qty	**599.14**	**Cum**

Contractor

NEWZEN CONSULTANT PMC GANGALORE

Assistant Engineer

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ಯಲಹಂಕ ಎಂಜಿನಿಯರಿಂಗ್ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer

27/12/2019

Name of Work: Improvements to roads and construction of RCC drains at Basavalingappanagara and surrounding areas in Ward No. 03

Date of Pre-Measurement : 27|12|2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.							
	Basavalingappa Nagar							
	1st Cross, LHS Frm 1st Mn Rd							
	Total Drain length=30.50m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=305.00Nos		305	2.10		0.61	390.71	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	30.50		0.61	353.50	
	2nd Cross, LHS Frm 1st Mn Rd							
	Total Drain length=34.30m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=343.00Nos		343	2.10		0.61	439.38	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	34.30		0.61	397.54	
	2nd Cross, RHS Frm Dead End							
	Total Drain length=30.30m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=303.00Nos		303	2.10		0.61	388.14	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	30.30		0.61	351.18	
	3rd Cross, LHS Frm 1st Mn Rd							
	Total Drain length=36.60m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=366.00Nos		366	2.10		0.61	468.85	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	36.60		0.61	424.19	
	3rd Cross, RHS Frm Dead End							
	Total Drain length=33.40m							
	Main bar 10mm dia bar @ 100mm							

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1338.00Nos		1338	2.10		0.61	1713.98	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	133.80		0.61	1550.74	
	6th cross, LHS Frm 1st Mn Rd							
	Total Drain length=114.50m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1145.00Nos		1145	2.10		0.61	1466.75	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	114.50		0.61	1327.06	
	6th cross, RHS Frm 1st Mn Rd							
	Total Drain length=60.0m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=600.00Nos		600	2.10		0.61	768.60	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	60.00		0.61	695.40	
	6th cross, RHS Frm 1st Mn Rd							
	Total Drain length=37.50m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=375.00Nos		375	3.20		0.61	732.00	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		29	37.50		0.61	663.38	
	Samudhya Bhavana							
	Total Drain length=240m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=240.00Nos		240	3.20		0.61	468.48	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		29	24.00		0.61	424.56	
	Vishwanagara							
	Mn Road, LHS From Heasaraghatta							
	Total Drain length=91.50m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=915.00Nos		915	2.10		0.61	1172.12	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	91.50		0.61	1060.49	

tem No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Mn Road, RHS frm Culvert							
	Total Drain length=131.10m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1311.00Nos		1311	2.10		0.61	1679.39	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	131.10		0.61	1519.45	
	1st cross, RHS							
	Total Drain length=54.0m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=540.00Nos		540	2.10		0.61	691.74	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	54.00		0.61	625.86	
	Rajeev Gandhi Nagar							
	Mn Rd, LHS Frm College Junc							
	Total Drain length=195.20m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1952.00Nos		1952	2.10		0.61	2500.51	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	195.20		0.61	2262.37	
	Mn Rd, RHS Frm Cross Rd							
	Total Drain length=210.20m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=2102.00Nos		2102	2.10		0.61	2692.66	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	210.20		0.61	2436.22	
	Apartment Rd, RHS							
	Total Drain length=56.50m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=565.00Nos		565	2.10		0.61	723.77	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	56.50		0.61	654.84	
	Culvert							
	Total Drain length=65.30m							
	Main bar 12mm dia bar @ 100mm							
	0.89kg/mtr, double mat							
	No of U-bar=1306.00Nos		1306	2.30		0.89	2673.38	
	Distribution bar							

m o	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr, double mat		A2	65.30		0.61	1672.99	
							43134.74	
						Present Qty	**43.13**	**Ton**

Contractor

PMC

Assistant Engineer

27/12/2019

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ಯಲಹಂಕ ಉಪವಿಭಾಗ
Asst. Executive Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work: Improvements to roads and construction of RCC drains at Basavalingappanagara and surrounding areas in Ward No. 03

Date of Pre-Measurement : 28/12/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
9	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.							
	For CC Road Platform							
	Block K							
			1	8.20	6.50	0.25	13.33	
			1	4.50	2.40	0.25	2.70	
			1	4.50	2.40	0.25	2.70	
	Block L							
			1	8.20	6.50	0.25	13.33	
			1	4.50	2.40	0.25	2.70	
			1	4.50	2.40	0.25	2.70	
	Block M							
			1	8.20	6.50	0.25	13.33	
			1	4.50	2.40	0.25	2.70	
			1	4.50	2.40	0.25	2.70	
	Block N							
			1	8.20	6.50	0.25	13.33	
			1	4.50	2.40	0.25	2.70	
			1	4.50	2.40	0.25	2.70	
	Behind I Block		1	2.40	4.10	0.25	2.46	
	Beside N Block		1	28.00	1.00	0.25	7.00	
			1	30.00	2.80	0.25	21.00	
	Apartment Near 2nd cross		1	18.00	2.80	0.25	12.60	
			1	30.00	5.80	0.25	43.50	
	Basavalingappa Nagar		1	30.00	3.00	0.25	22.50	
	Gap Between Road and Drain							
	1st Cross, LHS Frm 1st Mn Rd							
			1	30.00	0.70	0.25	5.25	
	2nd Cross, LHS Frm 1st Mn Rd		1	0.50	0.70	0.25	0.09	
			1	22.10	0.75	0.25	4.14	
			1	2.20	0.75	0.25	0.41	
	2nd Cross, RHS Frm Dead End		1	10.00	0.75	0.25	1.88	
			1	30.00	0.60	0.25	4.50	
	3rd Cross, LHS Frm 1st Mn Rd		1	0.30	0.60	0.25	0.05	
			1	4.50	0.75	0.25	0.84	
			1	2.80	0.65	0.25	0.46	
			1	8.90	0.60	0.25	1.34	C.N.F.C

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
			1	3.90	0.70	0.25	0.68	
			1	16.50	0.75	0.25	3.09	
	3rd Cross, RHS Frm Dead End							
			1	30.00	0.75	0.25	5.63	
			1	3.40	0.75	0.25	0.64	
	4th Cross, LHS Frm 1st Mn Rd							
			1	30.00	0.60	0.25	4.50	
			1	10.30	0.60	0.25	1.55	
	4th Cross, RHS Frm Dead End							
			1	30.00	0.75	0.25	5.63	
			1	8.70	0.75	0.25	1.63	
	5th & 6th Cross, LHS							
			1	18.40	0.70	0.25	3.22	
			1	6.20	0.70	0.25	1.09	
			1	11.80	0.65	0.25	1.92	
			1	12.30	0.65	0.25	2.00	
	5th & 6th Cross, RHS							
			1	30.00	0.75	0.25	5.63	
			1	11.90	0.75	0.25	2.23	
	7th cross, LHS Frm Dead End							
			1	3.80	0.75	0.25	0.71	
			1	3.30	0.60	0.25	0.50	
			1	15.30	0.65	0.25	2.49	
			1	4.00	0.65	0.25	0.65	
			1	8.10	0.65	0.25	1.32	
			1	5.90	0.65	0.25	0.96	
			1	30.00	0.65	0.25	4.88	
			1	6.40	0.65	0.25	1.04	
			1	6.40	0.65	0.25	1.04	
			1	30.00	0.65	0.25	4.88	
			1	30.00	0.65	0.25	4.88	
			1	1.20	0.65	0.25	0.20	
	7th cross, RHS Frm Mn Rd							
			1	30.00	0.75	0.25	5.63	
			1	30.00	0.70	0.25	5.25	
			1	24.10	0.60	0.25	3.62	
			1	30.00	0.75	0.25	5.63	
			1	19.70	0.75	0.25	3.69	
	6th cross, LHS Frm 1st Mn Rd							
			1	30.00	0.65	0.25	4.88	
			1	14.40	0.65	0.25	2.34	
			1	6.10	0.75	0.25	1.14	
			1	30.00	0.75	0.25	5.63	
			1	14.40	0.75	0.25	2.70	
	Gap							
	6th cross, RHS Frm 1st Mn Rd		1	19.60	0.75	0.25	3.68	

em No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
			1	30.00	0.70	0.30	6.30	
			1	30.00	0.70	0.30	6.30	
			1	22.30	0.70	0.25	3.90	
			1	15.20	0.70	0.25	2.66	
						Present Qty	**329.17**	**Cum**

Contractor

PMC

NEWZEN CONSULTANT * BANGALORE *

Assistant Engineer

25/12/2014

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Asst Executive Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

me of Work: Improvements to roads and construction of RCC drains at Basavalingappanagara and surrounding areas in Ward No. 03

e of Pre-Measurement : 31/1/2020

Detailed Measurements

m lo	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.									
	Pre-measurement sheet no 1 to 3						1822.99			
						Present Qty	**1822.99**	**Cum**	**215.28**	**392454.00**
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications									
	Pre-measurement sheet no 4 to 10						586.38			
						Present Qty	**586.38**	**Cum**	**5421.90**	**3179308.00**
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification									
	Pre-measurement sheet no 11 to 16						599.14			
						Present Qty	**599.14**	**Cum**	**7070.20**	**4236015.00**
4	KSRRB - M2300-14. Providing TMT steel reinforcement for R.C C work including straightening, cutting, bending, hooking, paleing in position, lapping and / or welding wherever required, tying with (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.									
	Pre-measurement sheet no 17 to 21						43.13			
						Present Qty	**43.13**	**Ton**	**73992.24**	**3191637.00**
9	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.									
	Pre-measurement sheet no 22 to 24						329.17			
						Present Qty	**329.17**	**Cum**	**973.42**	**320425.00**

Contractor

PMC

NEHZEN CONSULTANTS BANGALORE

Assistant Engineer-I

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ಯಲಹಂಕ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

31/1/2020

ame of Work: Improvements to roads and construction of RCC drains at Basavalingappanagara and surrounding areas in Ward No. 03

e of Measurement: 31/1/2020

Detailed Measurements

em No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.									
	Basavalingappa Nagar									
	RCC Drain									
	1st Cross, LHS Frm 1st Mn Rd									
	Ch: 0 to 30m		1	30.00			0.00			
	Ch: 30 to 30.5m		1	0.50			0.00			
	2nd Cross, LHS Frm 1st Mn Rd									
	Ch: 0 to 22.1m		1	22.10	0.90		19.89			
	Ch: 22.1 to 24.3m		1	2.20			0.00			
	Ch: 24.3 to 34.3m		1	10.00	0.90		9.00			
	2nd Cross, RHS Frm Dead End									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 30.3m		1	0.30	0.90		0.27			
	3rd Cross, LHS Frm 1st Mn Rd									
	Ch: 0 to 4.5m		1	4.50	0.90		4.05			
	Ch: 4.5 to 7.3m		1	2.80			0.00			
	Ch: 7.3 to 16.2m		1	8.90	0.90		8.01			
	Ch: 16.2 to 20.1m		1	3.90			0.00			
	Ch: 20.1 to 36.6m		1	16.50	0.90		14.85			
	3rd Cross, RHS Frm Dead End									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 33.4m		1	3.40	0.90		3.06			
	4th Cross, LHS Frm 1st Mn Rd									
	Ch: 0 to 30m		1	30.00	0.90					
	Ch: 30 to 40.3m		1	10.30	0.90					
	4th Cross, RHS Frm Dead End									
	Ch: 0 to 30m		1	30.00	0.90					
	Ch: 30 to 38.7m		1	8.70	0.90					
	5th & 6th Cross, LHS									
	Ch: 0 to 18.4m		1	18.40	0.90		16.56			
	Ch: 18.4 to 24.6m		1	6.20			0.00			
	Ch: 24.6 to 36.4m		1	11.80	0.90		10.62			
	Ch: 36.4 to 48.7m		1	12.30	0.90		11.07			
	5th & 6th Cross, RHS									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 41.9m		1	11.90	0.90		10.71			
	7th cross, LHS Frm Dead End									
	Ch: 0 to 3.8m		1	3.80	0.90		3.42			
	Ch: 3.8 to 7.1m		1	3.30			0.00			
	Ch: 7.1 to 22.4m		1	15.30	0.90		13.77			
	Ch: 22.4 to 26.4m		1	4.00			0.00			
	Ch: 26.4 to 34.5m		1	8.10	0.90		7.29			
	Ch: 34.5 to 40.4m		1	5.90			0.00			
	Ch: 40.4 to 70.4m		1	30.00	0.90		27.00			
	Ch: 70.4 to 76.8m		1	6.40	0.90		5.76			
	Ch: 76.8 to 83.2m		1	6.40			0.00			
	Ch: 83.2 to 113.2m		1	30.00	0.90		27.00			
	Ch: 113.2 to 143.2m		1	30.00	0.90		27.00			
	Ch: 143.2 to 144.4m		1	1.20	0.90		1.08			
	7th cross, RHS Frm Mn Rd									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 60m		1	30.00	0.90		27.00			
	Ch: 60 to 84.1m		1	24.10	0.90		21.69			
	Gap									

C&PC

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
		1	30.00	0.90		27.00			
Ch: 0 to 30m		1	19.70	0.90		17.73			
Ch: 30 to 49.7m									
6th cross, LHS Frm 1st Mn Rd		1	30.00	0.90		27.00			
Ch: 0 to 30m		1	14.40	0.90		12.96			
Ch: 30 to 44.4m		1	6.10			0.00			
Ch: 44.4 to 50.5m		1	30.00	0.90		27.00			
Ch: 50.5 to 80.5m		1	14.40	0.90		12.96			
Ch: 80.5 to 94.9m									
Gap		1	19.60	0.90		17.64			
Ch: 0 to 19.6m									
6th cross, RHS Frm 1st Mn Rd		1	30.00	0.90		27.00			
Ch: 0 to 30m		1	30.00	0.90		27.00			
Ch: 30 to 60m		1	22.30	1.20		26.76			
Ch: 60 to 82.3m		1	15.20	1.20		18.24			
Ch: 82.3 to 97.5m									
Samudhya Bhavana		1	24.00	1.20		28.80			
Ch: 0 to 24m									
Vishwanagara									
Mn Road, LHS From Heasaraghatta Mn Rd									
Ch: 0 to 22.44m		1	22.40	0.90		20.16			
Ch: 0 to 23.6m		1	1.20			0.00			
Ch: 0 to 28.6m		1	5.00	0.90		4.50			
Ch: 0 to 36.5m		1	7.90			0.00			
Ch: 0 to 66.5m		1	30.00	0.90		27.00			
Ch: 0 to 91.5m		1	25.00	0.90		22.50			
Ch: 0 to 110.6m		1	19.10						
Mn Road, RHS frm Culvert									
Ch: 0 to 30m		1	30.00	0.90		27.00			
Ch: 30 to 60m		1	30.00	0.90		27.00			
Ch: 60 to 90m		1	30.00	0.90		27.00			
Ch: 90 to 120m		1	30.00	0.90		27.00			
Ch: 120 to 131.1m		1	11.10	0.90		9.99			
1st cross, RHS									
Ch: 0 to 30m		1	30.00	0.90		27.00			
Ch: 30 to 54m		1	24.00	0.90		21.60			
Rajeev Gandhi Nagar									
Mn Rd, LHS Frm College Junc									
Ch: 0 to 11.5m		1	11.50	0.90		10.35			
Gap									
Ch: 0 to 30m		1	30.00	0.90		27.00			
Ch: 30 to 60m		1	30.00	0.90		27.00			
Ch: 60 to 90m		1	30.00	0.90		27.00			
Ch: 90 to 120m		1	30.00	0.90		27.00			
Ch: 120 to 148.6m		1	28.60	0.90		25.74			
Culvert Gap									
Ch: 0 to 24.5m		1	24.50	0.90		22.05			
Road Gap									
Ch: 0 to 10.6m		1	10.60	0.90		9.54			
Mn Rd, RHS Frm Cross Rd									
Ch: 0 to 19.4m		1	19.40	0.90		17.46			
Road Gap									
Ch: 0 to 30m		1	30.00	0.90		27.00			
Ch: 30 to 60m		1	30.00	0.90		27.00			
Ch: 60 to 80.3m		1	20.30	0.90		18.27			
Ch: 80.3 to 86.4m		1	6.10			0.00			
Ch: 86.4 to 116.4m		1	30.00	0.90		27.00			
Ch: 116.4 to 131.8m		1	15.40	0.90		13.86			
Culvert Gap									
Ch: 0 to 30m		1	30.00	0.90		27.00			
Ch: 30 to 59m		1	29.00	0.90		26.10			

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Apartment Rd, RHS		1	30.00	0.90		27.00			
Ch: 0 to 30m		1	26.50	0.90		23.85			
Ch: 30 to 56.5m		-78	0.60	0.90		-42.12			
Deduct available slabs					**Present Qty**	**1256.04**	**Sqm**	**2337.00**	**2935366.00**

Contractor

PMC CONSULTANT * NEWZEN * BANGALORE

Assistant Engineer

31/1/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
Asst. Executive Engineer, ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work: Improvements to roads and construction of RCC drains at Basavalingappanagara and surrounding areas in Ward No. 03

Date of Measurement : 1/2/2020

Detailed Measurements

Sl No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.									
	Culvert									
	5th & 6th Cross		1	5.20	1.20		6.24			
	4th cross		1	5.70	1.20		6.84			
	3rd cross		1	6.30	1.20		7.56			
	2nd cross		1	5.60	1.20		6.72			
	7th cross Dead End		1	5.20	1.20		6.24			
	6th cross Dead End		1	7.70	1.20		9.24			
	Basavalingappa nagar Mn Rd		1	10.00	1.50		15.00			
	Vishwanagara Mn Rd		1	9.80	1.20		11.76			
	Rajeev Gandhi Nagar Mn Rd, LHS		1	4.30	1.20		5.16			
	Rajeev Gandhi Nagar Mn Rd, RHS		1	5.50	1.20		6.60			
	Deduct Available slabs		-6	0.60	1.20		-4.32			
						Present Qty	77.04	Sqm	5418.00	417403.00

Contractor

PMC

Assistant Engineer

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ಯಲಹಂಕ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

1/2/2020

Name of Work: Improvements to roads and construction of RCC drains at Basavalingappanagara and surrounding areas in Ward No. 03

Date of Measurement : 3/2/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
7	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete. As per the direction of Engineer incharge.									
	Basavalingappa Nagar									
	RCC Drain									
	1st Cross, LHS Frm 1st Mn Rd									
	Ch: 0 to 30m		1	30.00			66.00			
	Ch: 30 to 30.5m		1	0.50			1.00			
	2nd Cross, LHS Frm 1st Mn Rd									
	Ch: 0 to 22.1m		1	22.10			22.10			
	Ch: 22.1 to 24.3m		1	2.20			49.00			
	Ch: 24.3 to 34.3m		1	10.00			5.00			
	2nd Cross, RHS Frm Dead End						22.00			
	Ch: 0 to 30m		1	30.00			66.00			
	Ch: 30 to 30.3m		1	0.30			1.00			
	3rd Cross, LHS Frm 1st Mn Rd									
	Ch: 0 to 4.5m		1	4.50			10.00			
	Ch: 4.5 to 7.3m		1	2.80			6.00			
	Ch: 7.3 to 16.2m		1	8.90			20.00			
	Ch: 16.2 to 20.1m		1	3.90			9.00			
	Ch: 20.1 to 36.6m		1	16.50			37.00			
	3rd Cross, RHS Frm Dead End									
	Ch: 0 to 30m		1	30.00			66.00			
	Ch: 30 to 33.4m		1	3.40			8.00			
	4th Cross, LHS Frm 1st Mn Rd									
	Ch: 0 to 30m		1	30.00			66.00			
	Ch: 30 to 40.3m		1	10.30			23.00			
	4th Cross, RHS Frm Dead End									
	Ch: 0 to 30m		1	30.00			66.00			
	Ch: 30 to 38.7m		1	8.70			19.00			
	5th & 6th Cross, LHS									
	Ch: 0 to 18.4m		1	18.40			41.00			
	Ch: 18.4 to 24.6m		1	6.20			14.00			
	Ch: 24.6 to 36.4m		1	11.80			26.00			
	Ch: 36.4 to 48.7m		1	12.30			27.00			
	5th & 6th Cross, RHS									
	Ch: 0 to 30m		1	30.00			66.00			
	Ch: 30 to 41.9m		1	11.90			26.00			
	7th cross, LHS Frm Dead End									
	Ch: 0 to 3.8m		1	3.80						
	Ch: 3.8 to 7.1m		1	3.30						
	Ch: 7.1 to 22.4m		1	15.30						
	Ch: 22.4 to 26.4m		1	4.00						
	Ch: 26.4 to 34.5m		1	8.10						
	Ch: 34.5 to 40.4m		1	5.90						
	Ch: 40.4 to 70.4m		1	30.00						
	Ch: 70.4 to 76.8m		1	6.40						
	Ch: 76.8 to 83.2m		1	6.40						
	Ch: 83.2 to 113.2m		1	30.00						
	Ch: 113.2 to 143.2m		1	30.00						
	Ch: 143.2 to 144.4m		1	1.20						
	7th cross, RHS Frm Mn Rd									
	Ch: 0 to 30m		1	30.00						
	Ch: 30 to 60m		1	30.00						

RCC

Executive Engine

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch: 60 to 84.1m		1	24.10						
Gap									
Ch: 0 to 30m		1	30.00						
Ch: 30 to 49.7m		1	19.70						
6th cross, LHS Frm 1st Mn Rd									
Ch: 0 to 30m		1	30.00						
Ch: 30 to 44.4m		1	14.40						
Ch: 44.4 to 50.5m		1	6.10						
Ch: 50.5 to 80.5m		1	30.00						
Ch: 80.5 to 94.9m		1	14.40						
Gap									
Ch: 0 to 19.6m		1	19.60						
6th cross, RHS Frm 1st Mn Rd									
Ch: 0 to 30m		1	30.00						
Ch: 30 to 60m		1	30.00						
Ch: 60 to 82.3m		1	22.30						
Ch: 82.3 to 97.5m		1	15.20						
Samudhya Bhavana									
Ch: 0 to 24m		1	24.00						
Vishwanagara									
Mn Road, LHS From Heasaraghatta Mn Rd									
Ch: 0 to 22.44m		1	22.40						
Ch: 0 to 23.6m		1	1.20			50.00			
Ch: 0 to 28.6m		1	5.00			3.00			
Ch: 0 to 36.5m		1	7.90			11.00			
Ch: 0 to 66.5m		1	30.00			18.00			
Ch: 0 to 91.5m		1	25.00			66.00			
Ch: 0 to 110.6m		1	19.10			56.00			
Mn Road, RHS frm Culvert									
Ch: 0 to 30m		1	30.00			67.00			
Ch: 30 to 60m		1	30.00			67.00			
Ch: 60 to 90m		1	30.00			67.00			
Ch: 90 to 120m		1	30.00			67.00			
Ch: 120 to 131.1m		1	11.10			25.00			
1st cross, RHS									
Ch: 0 to 30m		1	30.00			67.00			
Ch: 30 to 54m		1	24.00			53.00			
Rajeev Gandhi Nagar									
Mn Rd, LHS Frm College Junc									
Ch: 0 to 11.5m		1	11.50			26.00			
Gap									
Ch: 0 to 30m		1	30.00			67.00			
Ch: 30 to 60m		1	30.00			67.00			
Ch: 60 to 90m		1	30.00			67.00			
Ch: 90 to 120m		1	30.00			67.00			
Ch: 120 to 148.6m		1	28.60			64.00			
Culvert Gap									
Ch: 0 to 24.5m		1	24.50			54.00			
Road Gap									
Ch: 0 to 10.6m		1	10.60			24.00			
Mn Rd, RHS Frm Cross Rd									
Ch: 0 to 19.4m		1	19.40			43.00			
Road Gap									
Ch: 0 to 30m		1	30.00			66.00			
Ch: 30 to 60m		1	30.00			66.00			
Ch: 60 to 80.3m		1	20.30			45.00			
Ch: 80.3 to 86.4m		1	6.10			14.00			
Ch: 86.4 to 116.4m		1	30.00			66.00			
Ch: 116.4 to 131.8m		1	15.40			34.00			
Culvert Gap									

Executive Engin
Bruhat Bengaluru
Yelahanka) Divi

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch: 0 to 30m		1	30.00						
Ch: 30 to 59m		1	29.00			66.00			
Apartment Rd, RHS						65.00			
Ch: 0 to 30m		1	30.00						
Ch: 30 to 56.5m		1	26.50						
					Present Qty	**2258.00**	**Nos**	**432.48**	**976540.00**

Contractor

PMC

Assistant Engineer

ಸಹಾಯಕ ಇಂಜಿನಿಯರ್/ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ/ಆಡಳಿತ ಅಧಿಕಾರಿಗಳು
ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

3/2/2020

e of Work: Improvements to roads and construction of RCC drains at Basavalingappanagara and surrounding areas in Ward No. 03

of Measurement : 3/2/2020

Detailed Measurements

Description of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.									
Basavalingappa Nagar									
For Kerb Stone									
1st Cross, LHS Frm 1st Mn Rd									
Ch: 0 to 30m		1	30.00		0.25	7.50			
Ch: 30 to 30.5m		1	0.50		0.25	0.13			
2nd Cross, LHS Frm 1st Mn Rd									
Ch: 0 to 22.1m		1	22.10		0.25	5.53			
Ch: 22.1 to 24.3m		1	2.20		0.25	0.55			
Ch: 24.3 to 34.3m		1	10.00		0.25	2.50			
2nd Cross, RHS Frm Dead End									
Ch: 0 to 30m		1	30.00		0.25	7.50			
Ch: 30 to 30.3m		1	0.30		0.25	0.08			
3rd Cross, LHS Frm 1st Mn Rd									
Ch: 0 to 4.5m		1	4.50		0.25	1.13			
Ch: 4.5 to 7.3m		1	2.80		0.25	0.70			
Ch: 7.3 to 16.2m		1	8.90		0.25	2.23			
Ch: 16.2 to 20.1m		1	3.90		0.25	0.98			
Ch: 20.1 to 36.6m		1	16.50		0.25	4.13			
3rd Cross, RHS Frm Dead End									
Ch: 0 to 30m		1	30.00		0.25	7.50			
Ch: 30 to 33.4m		1	3.40		0.25	0.85			
4th Cross, LHS Frm 1st Mn Rd									
Ch: 0 to 30m		1	30.00		0.25	7.50			
Ch: 30 to 40.3m		1	10.30		0.25	2.58			
4th Cross, RHS Frm Dead End									
Ch: 0 to 30m		1	30.00		0.25	7.50			
Ch: 30 to 38.7m		1	8.70		0.25	2.18			
5th & 6th Cross, LHS									
Ch: 0 to 18.4m		1	18.40		0.25	4.60			
Ch: 18.4 to 24.6m		1	6.20		0.25	1.55			
Ch: 24.6 to 36.4m		1	11.80		0.25	2.95			
Ch: 36.4 to 48.7m		1	12.30		0.25	3.08			
5th & 6th Cross, RHS									
Ch: 0 to 30m		1	30.00		0.25	7.50			
Ch: 30 to 41.9m		1	11.90		0.25	2.98			
7th cross, LHS Frm Dead End									
Ch: 0 to 3.8m		1	3.80						
Ch: 3.8 to 7.1m		1	3.30						
Ch: 7.1 to 22.4m		1	15.30						
Ch: 22.4 to 26.4m		1	4.00						
Ch: 26.4 to 34.5m		1	8.10						
Ch: 34.5 to 40.4m		1	5.90						
Ch: 40.4 to 70.4m		1	30.00						
Ch: 70.4 to 76.8m		1	6.40						
Ch: 76.8 to 83.2m		1	6.40						
Ch: 83.2 to 113.2m		1	30.00						
Ch: 113.2 to 143.2m		1	30.00						
Ch: 143.2 to 144.4m		1	1.20						
7th cross, RHS Frm Mn Rd									
Ch: 0 to 30m		1	30.00						
Ch: 30 to 60m		1	30.00						
Ch: 60 to 84.1m		1	24.10						

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Gap									
Ch: 0 to 30m		1	30.00						
Ch: 30 to 49.7m		1	19.70						
6th cross, LHS Frm 1st Mn Rd									
Ch: 0 to 30m		1	30.00						
Ch: 30 to 44.4m		1	14.40						
Ch: 44.4 to 50.5m		1	6.10						
Ch: 50.5 to 80.5m		1	30.00						
Ch: 80.5 to 94.9m		1	14.40						
Gap									
Ch: 0 to 19.6m		1	19.60						
6th cross, RHS Frm 1st Mn Rd									
Ch: 0 to 30m		1	30.00						
Ch: 30 to 60m		1	30.00						
Ch: 60 to 82.3m		1	22.30						
Ch: 82.3 to 97.5m		1	15.20						
Samudhya Bhavana									
Ch: 0 to 24m		1	24.00						
Vishwanagara									
Mn Road, LHS From Heasaraghatta Mn Rd									
Ch: 0 to 22.44m		1	22.40		0.25	5.60			
Ch: 0 to 23.6m		1	1.20		0.25	0.30			
Ch: 0 to 28.6m		1	5.00		0.25	1.25			
Ch: 0 to 36.5m		1	7.90		0.25	1.98			
Ch: 0 to 66.5m		1	30.00		0.25	7.50			
Ch: 0 to 91.5m		1	25.00		0.25	6.25			
Ch: 0 to 110.6m		1	19.10						
Mn Road, RHS frm Culvert									
Ch: 0 to 30m		1	30.00		0.25	7.50			
Ch: 30 to 60m		1	30.00		0.25	7.50			
Ch: 60 to 90m		1	30.00		0.25	7.50			
Ch: 90 to 120m		1	30.00		0.25	7.50			
Ch: 120 to 131.1m		1	11.10		0.25	2.78			
1st cross, RHS									
Ch: 0 to 30m		1	30.00		0.25	7.50			
Ch: 30 to 54m		1	24.00		0.25	6.00			
Rajeev Gandhi Nagar									
Mn Rd, LHS Frm College Junc									
Ch: 0 to 11.5m		1	11.50		0.25	2.88			
Gap									
Ch: 0 to 30m		1	30.00		0.25	7.50			
Ch: 30 to 60m		1	30.00		0.25	7.50			
Ch: 60 to 90m		1	30.00		0.25	7.50			
Ch: 90 to 120m		1	30.00		0.25	7.50			
Ch: 120 to 148.6m		1	28.60		0.25	7.15			
Culvert Gap									
Ch: 0 to 24.5m		1	24.50		0.25	6.13			
Road Gap									
Ch: 0 to 10.6m		1	10.60		0.25	2.65			
Mn Rd, RHS Frm Cross Rd									
Ch: 0 to 19.4m		1	19.40		0.25	4.85			
Road Gap									
Ch: 0 to 30m		1	30.00		0.25	7.50			
Ch: 30 to 60m		1	30.00		0.25	7.50			
Ch: 60 to 80.3m		1	20.30		0.25	5.08			
Ch: 80.3 to 86.4m		1	6.10		0.25	1.53			
Ch: 86.4 to 116.4m		1	30.00		0.25	7.50			
Ch: 116.4 to 131.8m		1	15.40		0.25	3.85			

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Culvert Gap									
Ch: 0 to 30m									
Ch: 30 to 59m		1	30.00						
Apartment Rd, RHS		1	29.00		0.20	6.00			
Ch: 0 to 30m					0.25	7.25			
Ch: 30 to 56.5m		1	30.00						
		1	26.50						
					Present Qty	**252.68**	**Sqm**	**84.80**	**21427.00**

Contractor

PMC

NEMZEN CONSULTANT * BANGALORE *

Assistant Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಡಿ.ಎ. ಬೆಂಗಳೂರು-106

Assistant Executive Engineer

Name of Work: Improvements to roads and construction of RCC drains at Basavalingappanagara and surrounding areas in Ward No. 03

Date of Measurement : 4/2/2020

Item No	Discription of Item	Detailed Measurements						Unit	Rate	Amount
			No	Length	Breadth	Depth	Qty			
10	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS 383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a									
	For CC Road Platform									
	Block K									
			1	8.20	6.50	0.15	8.00			
			1	4.50	2.40	0.15	1.62			
	Block L		1	4.50	2.40	0.15	1.62			
			1	8.20	6.50	0.15	8.00			
			1	4.50	2.40	0.15	1.62			
	Block M		1	4.50	2.40	0.15	1.62			
			1	8.20	6.50	0.15	8.00			
			1	4.50	2.40	0.15	1.62			
	Block N		1	4.50	2.40	0.15	1.62			
			1	8.20	6.50	0.15	8.00			
			1	4.50	2.40	0.15	1.62			
	Behind I Block		1	4.50	2.40	0.15	1.62			
			1	2.40	4.10	0.15	1.48			
	Beside N Block		1	28.00	1.00	0.15	4.20			
			1	30.00	2.80	0.15	12.60			
	Apartment Near 2nd cross		1	18.00	2.80	0.15	7.56			
			1	30.00	5.80	0.15	26.10			
	Basavalingappa Nagar		1	30.00	3.00	0.15	13.50			
	Gap Between Road and Drain									
	1st Cross, LHS Frm 1st Mn Rd									
			1	30.00	0.70	0.15	3.15			
	2nd Cross, LHS Frm 1st Mn Rd		1	0.50	0.70	0.15	0.05			
			1	22.10	0.75	0.15	2.49			
			1	2.20	0.75	0.15	0.25			
	2nd Cross, RHS Frm Dead End		1	10.00	0.75	0.15	1.13			
			1	30.00	0.60	0.15	2.70			
	3rd Cross, LHS Frm 1st Mn Rd		1	0.30	0.60	0.15	0.03			
			1	4.50	0.75	0.15	0.51			
			1	2.80	0.65	0.15	0.27			
			1	8.90	0.60	0.15	0.80			
			1	3.90	0.70	0.15	0.41			
	3rd Cross, RHS Frm Dead End		1	16.50	0.75	0.15	1.86			
			1	30.00	0.75	0.175	3.94			
	4th Cross, LHS Frm 1st Mn Rd		1	3.40	0.75	0.175	0.45			
			1	30.00	0.60	0.15	2.70			
	4th Cross, RHS Frm Dead End		1	10.30	0.60	0.15	0.93			
			1	30.00	0.75	0.15	3.38			
	5th & 6th Cross, LHS		1	8.70	0.75	0.15	0.98			
			1	18.40	0.70	0.15	1.93			

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
		1	6.20	0.70	0.15	0.65			
		1	11.80	0.65	0.15	1.15			
5th & 6th Cross, RHS		1	12.30	0.65	0.15	1.20			
		1	30.00	0.75	0.175	3.94			
7th cross, LHS Frm Dead End		1	11.90	0.75	0.175	1.56			
		1	3.80	0.75	0.15	0.43			
		1	3.30	0.60	0.15	0.30			
		1	15.30	0.65	0.15	1.49			
		1	4.00	0.65	0.15	0.39			
		1	8.10	0.65	0.15	0.79			
		1	5.90	0.65	0.15	0.58			
		1	30.00	0.65	0.15	2.93			
		1	6.40	0.65	0.15	0.62			
		1	6.40	0.65	0.15	0.62			
		1	30.00	0.65	0.15	2.93			
		1	30.00	0.65	0.15	2.93			
7th cross, RHS Frm Mn Rd		1	1.20	0.65	0.15	0.12			
		1	30.00	0.75	0.15	3.38			
		1	30.00	0.70	0.15	3.15			
		1	24.10	0.60	0.15	2.17			
		1	30.00	0.75	0.15	3.38			
6th cross, LHS Frm 1st Mn Rd		1	19.70	0.75	0.15	2.22			
		1	30.00	0.65	0.15	2.93			
		1	14.40	0.65	0.15	1.40			
		1	6.10	0.75	0.15	0.69			
		1	30.00	0.75	0.15	3.38			
Gap		1	14.40	0.75	0.15	1.62			
		1	19.60	0.75	0.15	2.21			
6th cross, RHS Frm 1st Mn Rd									
		1	30.00	0.70	0.15	3.15			
		1	30.00	0.70	0.15	3.15			
		1	22.30	0.70	0.15	2.34			
		1	15.20	0.70	0.15	1.60			
					Present Qty	197.66	Cum	5210.96	1029979.00

Contractor

CITIZEN CONSULTANT BANGALORE
PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು 4/2/2020
ಯಲಹಂಕ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106
4/2/2020

e of Work: Improvements to roads and construction of RCC drains at Basavalingappanagara and surrounding areas in Ward No. 03

f Measurement: 6/2/2020

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift.									
For CC Road Platform									
Block K									
		1	8.20	6.50		53.30			
		1	4.50	2.40		10.80			
Block L		1	4.50	2.40		10.80			
		1	8.20	6.50		53.30			
		1	4.50	2.40		10.80			
Block M		1	4.50	2.40		10.80			
		1	8.20	6.50		53.30			
		1	4.50	2.40		10.80			
Block N		1	4.50	2.40		10.80			
		1	8.20	6.50		53.30			
		1	4.50	2.40		10.80			
Behind I Block		1	4.50	2.40		10.80			
		1	2.40	4.10		9.84			
Beside N Block		1	28.00	1.00		28.00			
		1	30.00	2.80		84.00			
Apartment Near 2nd cross		1	18.00	2.80		50.40			
		1	30.00	5.80		174.00			
Basavalingappa Nagar		1	30.00	3.00		90.00			
Gap Between Road and Drain									
1st Cross, LHS Frm 1st Mn Rd									
		1	30.00	0.70		21.00			
		1	0.50	0.70		0.35			
2nd Cross, LHS Frm 1st Mn Rd									
		1	22.10	0.75		16.58			
		1	2.20	0.75		1.65			
		1	10.00	0.75		7.50			
2nd Cross, RHS Frm Dead End									
		1	30.00	0.60		18.00			
		1	0.30	0.60		0.18			
3rd Cross, LHS Frm 1st Mn Rd									
		1	4.50	0.75		3.38			
		1	2.80	0.65		1.82			
		1	8.90	0.60		5.34			
		1	3.90	0.70		2.73			
		1	16.50	0.75		12.38			
3rd Cross, RHS Frm Dead End									
		1	30.00	0.75		22.50			
		1	3.40	0.75		2.55			
4th Cross, LHS Frm 1st Mn Rd									
		1	30.00	0.60		18.00			
		1	10.30	0.60		6.18			
4th Cross, RHS Frm Dead End									
		1	30.00	0.75		22.50			
		1	8.70	0.75		6.53			
5th & 6th Cross, LHS									
		1	18.40	0.70		12.88			
		1	6.20	0.70		4.34			

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
		1	11.80	0.65		7.67			
		1	12.30	0.65		8.00			
5th & 6th Cross, RHS									
		1	30.00	0.75		22.50			
		1	11.90	0.75		8.93			
7th cross, LHS Frm Dead End									
		1	3.80	0.75		2.85			
		1	3.30	0.60		1.98			
		1	15.30	0.65		9.95			
		1	4.00	0.65		2.60			
		1	8.10	0.65		5.27			
		1	5.90	0.65		3.84			
		1	30.00	0.65		19.50			
		1	6.40	0.65		4.16			
		1	6.40	0.65		4.16			
		1	30.00	0.65		19.50			
		1	30.00	0.65		19.50			
		1	1.20	0.65		0.78			
7th cross, RHS Frm Mn Rd									
		1	30.00	0.75		22.50			
		1	30.00	0.70		21.00			
		1	24.10	0.60		14.46			
		1	30.00	0.75		22.50			
		1	19.70	0.75		14.78			
6th cross, LHS Frm 1st Mn Rd									
		1	30.00	0.65		19.50			
		1	14.40	0.65		9.36			
		1	6.10	0.75		4.58			
		1	30.00	0.75		22.50			
		1	14.40	0.75		10.80			
Gap									
		1	19.60	0.75		14.70			
6th cross, RHS Frm 1st Mn Rd									
		1	30.00	0.70		21.00			
		1	30.00	0.70		21.00			
		1	22.30	0.70		15.61			
		1	15.20	0.70		10.64			
					Present Qty	1308.30	Sqm	72.08	94302.00

Total	16794856.00
12% GST	2015382.72
4% KRIDL	671794.24
Grand Total	19482032.96

Contractor

NEWZEN CONSULTANT BANGALORE

PMC

Assistant Engineer

6/2/2020

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯೋಜನೆಯ ಅನುಷ್ಠಾನ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

6/2/2020